

300 FF-5: Groundwater Performance

Overview

Groundwater in the 300 Area is contaminated with uranium.

There currently is no active groundwater remediation in this unit.

Limitations

Uranium interacts with soil grains and levels have not attenuated as much as predicted. Uranium concentrations vary seasonally in response to Columbia River Stage. Uranium distributions in December are believed to be representative of conditions through most of the year.

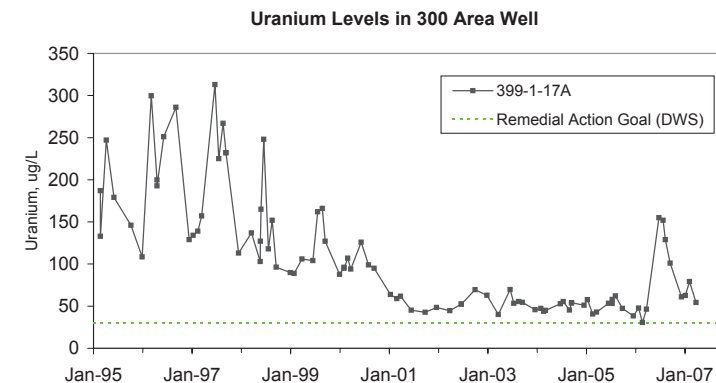
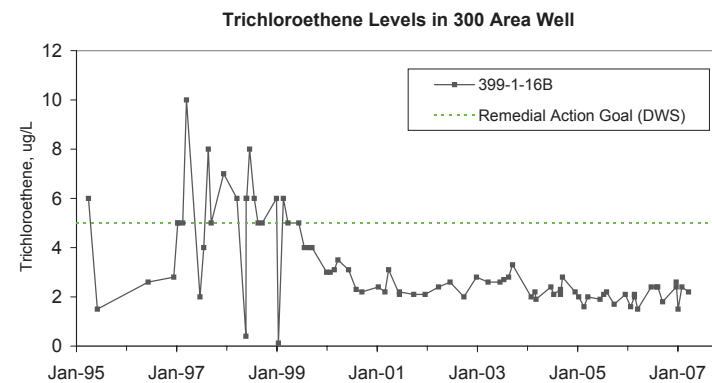
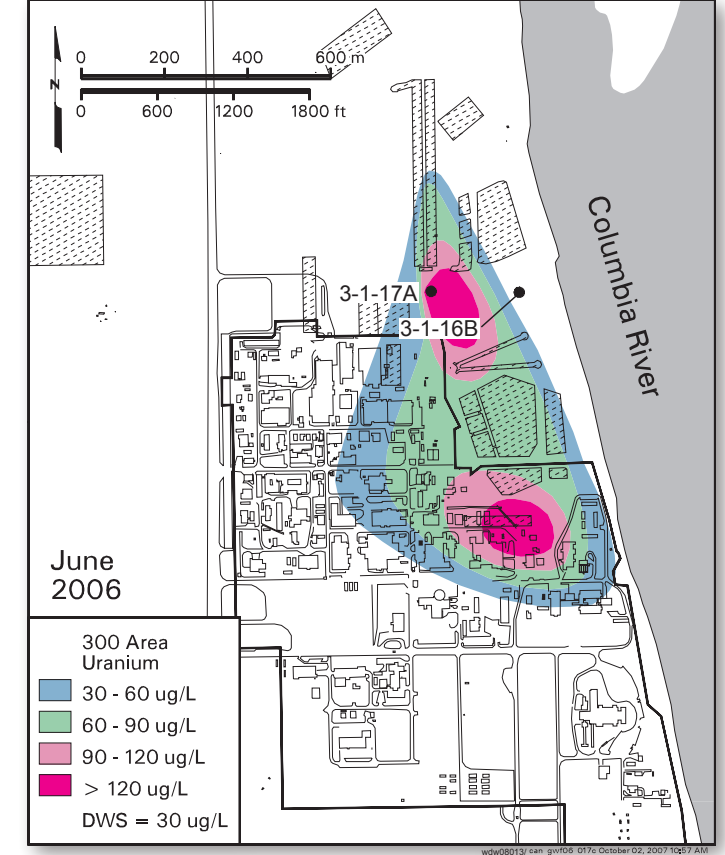
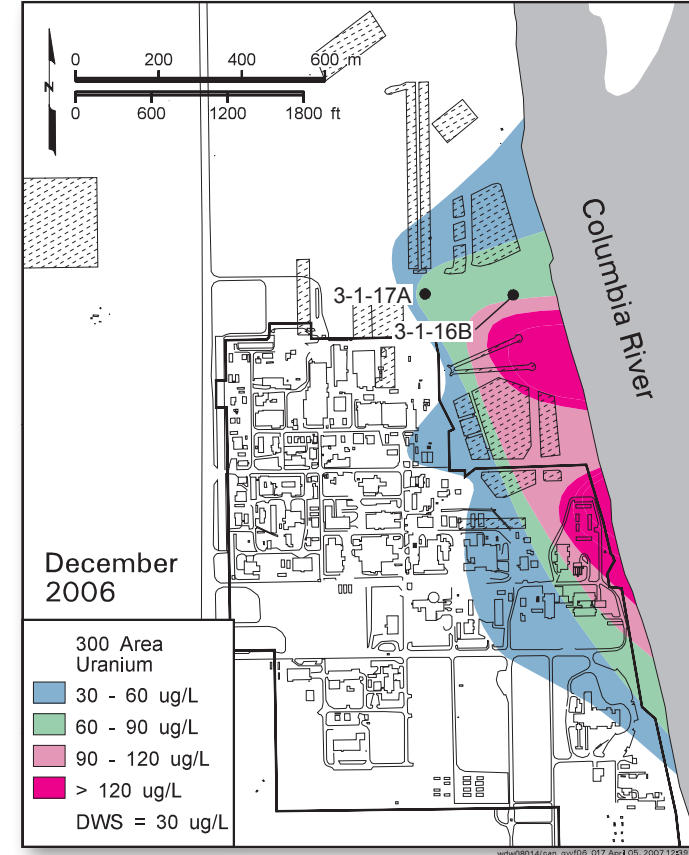
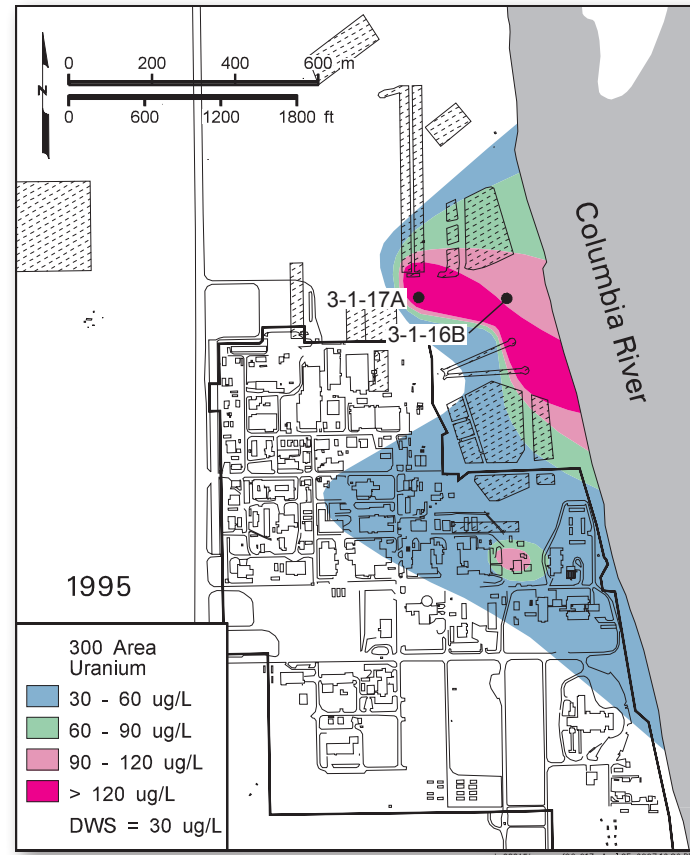
Trichloroethene and other organic contaminants may be distributed unevenly with depth in the aquifer.

Conclusions

A trichloroethene plume has attenuated and levels are below the cleanup standard.

Uranium concentrations have declined but remain above the cleanup goal.

DOE is implementing an aggressive characterization program for the Uranium plume and focusing resources to develop remediation technologies and design an appropriate remedial action.



Fluor Hanford

Soil & Groundwater Remediation Project